



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

V. R. Seeds, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'IKE'



In Testimony Whereof, I have hereunto set
my hand and caused the seal of the Plant
Variety Protection Office to be affixed
at the City of Washington
this third day of November in
the year of our Lord one thousand nine
hundred and seventy-seven

Attest:

R. S. Rollin
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

B. B. England
Secretary of Agriculture

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1. VARIETY NAME OR TEMPORARY DESIGNATION IKE	2. KIND NAME Soybeans	FOR OFFICIAL USE ONLY	
		PV NUMBER 7700081	
3. GENUS AND SPECIES NAME Glycine max.	4. FAMILY NAME (Botanical) Leguminose	FILING DATE 7-5-77	TIME 4:10 A.M. P.M.
		FEE RECEIVED \$ 250.00	BALANCE DUE \$ 7-5-77
		\$ 250.00	\$ 7-5-77
		\$ 250.00	\$ 9-8-77
5. DATE OF DETERMINATION Feb. 1977	6. NAME OF APPLICANT(S) V.R. Seeds, Inc.	7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) Box M Plymouth, Indiana 46563	8. TELEPHONE AREA CODE AND NUMBER 219-936-2193
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Corporation		10. STATE OF INCORPORATION Indiana	11. DATE OF INCORPORATION Nov. 1, 1973

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

Michael L. Haniford
Box 34
Flora, Indiana 46929

Telephone: 219-967-4551

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- ☒ 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- ☒ 13B. Exhibit B, Botanical Description of the Variety
- ☒ 13C. Exhibit C, Objective Description of the Variety
- ☒ 13D. Exhibit D, Data Indicative of Novelty
- ☒ 13E. Exhibit E, Statement of the Basis of Applicant's Ownership

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? (See Section 83(a). (If "Yes," answer 14B. and 14C. below.) ☐ YES ☒ NO14B. Does the applicant(s) specify that this variety be limited as to number of generations? ☐ YES ☐ NO

14C. If "Yes," to 14B, how many generations of production beyond breeder seed?

☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

The applicant declares that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes that the variety is distinct, uniform, and stable as required in Section 41 and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

18 March 1977

(DATE)

18 March 1977

(DATE)

Michael L. Haniford

(SIGNATURE OF APPLICANT)

John L. Lueder President

(SIGNATURE OF APPLICANT)

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, 6525 Belcrest Road, Hyattsville, Maryland 20782. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- 5 Insert the date the applicant determined that he had a new variety based on the definition in Section 41 (a) of the Act and decision is made to increase the seed.
- 13a First, give the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.
- 13b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant and compare it with a similar commercial variety grown under the same conditions, and indicate the differences.
- 13c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.
- 13d Provide complete data indicative of novelty. Seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty may be submitted. Seeds submitted may be sterile.
- 13e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

13A. EXHIBIT A, ORIGIN AND BREEDING HISTORY OF THE VARIETY

IKE is an F_5 selection from an F_4 single plant progeny row from the cross Wayne by PI 54,608-1. The initial selection of IKE was made in Oct. 1974 at Flora, Indiana. In 1976 IKE was tested at Flora, Indiana as a progeny row exhibiting stability of morphological characters as observed in 1974. No variants were observed at this time. Seed from the 1975 progeny row was increased at Sabana Grande, Puerto Rico during the winter of 75-76 to permit field evaluation trials to be conducted at Flora and Burlington, Indiana in 1976. The seed obtained from the 1976 field evaluation trials will provide breeders seed for further increase and sales production. No variants were observed in IKE during the 1976 field evaluation trials.

13B. EXHIBIT B, BOTANICAL DESCRIPTION OF THE VARIETY

IKE has a shiny yellow spherical flattened seed with dark black hila. The slender ^{SEMI-RISE} determinant plant has brown pubescence, scattered brown pods and white flowers. IKE has medium green color, large ovate leaflets and is of the group III maturity. IKE is ideally suited to narrow row (7") planting, because of its plant habit, plant height and standability.

13D. EXHIBIT D, DATA INDICATIVE OF NOVELTY

IKE most nearly resembles the variety Williams when planted in narrow rows (7"). IKE is one (1) day earlier than Williams in maturity and is of deter-^{SEMI-} *PJS* minant plant habit as opposed to Williams which has indeterminant plant growth. IKE has dark black hila color as opposed to Williams light black hila color.

OBJECTIVE DESCRIPTION OF VARIETY
SOYBEAN (GLYCINE MAX)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S)

V.R. Seeds, Inc.

ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)

Box M

Plymouth, Indiana 46563

FOR OFFICIAL USE ONLY

PVPO NUMBER

7700081

VARIETY NAME OR TEMPORARY
DESIGNATION

IKE

Place the appropriate number that describes the varietal character of this variety in the boxes below.

1. SEED SHAPE:

☒ 2 1 = SPHERICAL 2 = SPHERICAL
FLATTENED 3 = ELONGATE 4 = OTHER (Specify)

2. SEED COAT COLOR:

☒ 1 1 = YELLOW 2 = GREEN 3 = BROWN 4 = BLACK
5 = OTHER (Specify)

SHADE:

☒ 2 1 = LIGHT 2 = MEDIUM 3 = DARK

3. SEED COAT LUSTER:

☒ 2 1 = DULL 2 = SHINY

4. SEED SIZE

☒ 1 ☒ 6 GRAMS PER 100 SEEDS

5. HILUM COLOR:

☒ 6 1 = BUFF 2 = YELLOW 3 = BROWN 4 = GRAY 5 = IMPERFECT
6 = BLACK 7 = OTHER (Specify)

SHADE:

☒ 3 1 = LIGHT 2 = MEDIUM 3 = DARK

6. COTYLEDON COLOR:

☒ 1 1 = YELLOW 2 = GREEN

7. LEAFLET SIZE (See Reverse):

☒ 3 1 = SMALL 2 = MEDIUM 3 = LARGE

8. LEAFLET SHAPE:

☒ 1 1 = OVATE 2 = OBLONG 3 = LANCEOLATE 4 = ELLIPTICAL 5 = OTHER (Specify)

9. LEAF COLOR (See reverse):

☒ 2 1 = LIGHT GREEN 2 = MEDIUM GREEN 3 = DARK GREEN

10. FLOWER COLOR:

☒ 1 1 = WHITE 2 = PURPLE
3 = OTHER (Specify)

11. POD COLOR:

☒ 1 1 = TAN 2 = BROWN 3 = BLACK

12. POD SET:

☒ 1 1 = SCATTERED 2 = CONCENTRATED

13. PLANT PUBESCENCE COLOR:

☒ 2 1 = GRAY 2 = BROWN 3 = OTHER (Specify)

SHADE:

☒ 2 1 = LIGHT 2 = MEDIUM 3 = DARK

14. PLANT TYPES (See Reverse):

☒ 1 1 = SLENDER 2 = BUSHY 3 = INTERMEDIATE

15. PLANT HABIT:

☒ 3 1 = DETERMINATE 2 = INDETERMINATE
3 = OTHER (Specify) SEMI-DETERMINATE R/S

16. HYPOCOTYL COLOR:

☐ 1 = GREEN 2 = PURPLE

17. SEED PROTEIN:

☐ 1 = A 2 = B

18. NUMBER OF DAYS TO FLOWERING

(Place a zero in first box (e.g. 0 9) when
days are 9 or less.) ☐ ☐ ☐

19. MATURITY GROUP:

☒ 5 1 = 00 2 = 0 3 = I 4 = II 5 = III
6 = IV 7 = V 8 = VI 9 = VII 10 = VIII20. SIZE OF 10 DAY OLD SEEDLING GROWN UNDER CONSTANT LIGHT (Growth Chamber) AT 25° C. (Place a zero in first box
(e.g. 0 2) when size is 9 mm. or less.)☐ ☐ ☐ MM. LENGTH
OF SEEDLING☐ ☐ ☐ MM. LENGTH
OF COTYLEDON☐ ☐ ☐ MM. WIDTH
OF COTYLEDON

21. DISEASE: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

☐ BACTERIAL
PUSTULE☐ SOYBEAN
CYST☐ DOWNY
MILDEW☐ PURPLE
STAIN☐ POD AND
STEM BLIGHT☐ ROOT
KNOT☐ FROGEYE☐ STEM
CANKER☐ PHYTO-
PHTHORA☐ BROWN
STEM ROT☐ TARGET
SPOT☐ BROWN
SPOT☐ BUD
BLIGHT☐ WILDFIRE☐ RHIZOCTONIA
ROT☐ OTHER (Specify)

00004

7700081

13E. EXHIBIT E, STATEMENT OF THE BASIS OF APPLICANTS OWNERSHIP

V.R. Seeds, Inc. Box M, Plymouth, Indiana is the sole owner of IKE. The final selection and subsequent multiplication was made under the auspices of Michael L. Haniford, a soybean plant breeder employed by V.R. Seeds, Inc.

00007



United States
Department of
Agriculture

Agricultural
Marketing
Service

Livestock, Meat,
Grain, and
Seed Division

National Agricultural
Library Building
Beltsville, MD. 20705

TO : Linda Sonnen, Accessions Clerk
National Seed Storage Laboratory

FROM : Patti Wheeler, Secretary
Plant Variety Protection Office *pw*

SUBJECT: Seed Samples of Protected Varieties

4/8/83

GM-4728

This form identifies the attached seed sample which is being forwarded to the National Seed Storage Laboratory for germination testing and storage.

PV #

7700081

KIND

Soybean

VARIETY

Ike

BREEDER

V. R. Seeds, Inc.

Results from germination testing:

87

%

DATE:

5/83

This form is in duplicate. Please return one form when germination testing is completed.

Attachment: Seed Sample

In duplicate.

OK - *pw* 6/24/83

95794.02



The Agricultural Marketing Service
is an agency of the
United States Department of Agriculture

Soy B

PV No. 7700081
'Ike'

An excess seed sample of this variety was returned to the PVP Office by the National Seed Storage Laboratory. The excess seed was destroyed by PVPO personnel on JUL 18 1994.

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant shape	Williams	Petiole angle	-----
Leaf shape	Williams	Seed size	Calland
Leaf color	Williams	Seed shape	Calland
Leaf surface	-----	Seedling pigmentation	-----

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY:

VARIETY	NO. OF DAYS TO MATURITY	LODGING SCORE	PLANT HEIGHT	LEAF SIZE		CONTENT		AVERAGE NO. OF PODS PER PLANT	IODINE NO.
				Width	Length	Protein	Oil		
Submitted	127	1.0	35"				%		
Name of similar variety Williams	128	1.5	38"						

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for completing this form:

1. Scott, Walter O. and Samuel R. Aldrich, 1970, Modern Soybean Production, The Farmer Quarterly.
2. Norman, A. G., 1963, The Soybean: Genetics, Breeding, Physiology, Nutrition, Management.
3. McKie, J. W., and K. L. Anderson, 1970, The Soybean Book.

LEAF COLOR: Nickerson's or any recognized color fan may be used to determine the leaf color of the described variety. The following Soybean varieties may be used as a guide to identify the colors listed on the form.

COLOR	VARIETY
Light Green	"Ada"
Medium Green	"Wilkin"
Dark Green	"Swift"

LEAF SIZE: The following varieties may be used as a guide to identify the relative size leaves.

SIZE	VARIETY
Small	"Amsoy"
Medium	"Bonus"
Large	"Anoka"

PLANT TYPE: The following varieties may be used as a guide to identify the plant type.

TYPE	VARIETY
Slender	"Vansoy"
Intermediate	"Wirth"
Bushy	"Adelphia"